

0059865

SAF-B03-015
Remaining Sites Confirmation
Sampling-Soil
FINAL DATA PACKAGE

E:MAIL RESULTS TO:

Patty Krueger

N/A
INITIAL/DATE

Renee Nielson

N/A
INITIAL/DATE

MAIL COMPLETE COPY OF DATA PACKAGE TO:

Ella Feist

H9-01

(Signature) 6.12.03
INITIAL/DATE

Mike Stankovich

H9-02

(Signature) 6.12.03
INITIAL/DATE

Bob Hynes

H0-18

(Signature) 6.12.03
INITIAL/DATE

Jeanette Duncan

H9-02

(Signature) 6.12.03
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE COVER SHEET)

SDG

D00348

SAF-B03-015

Rad only

☒ Chem only

Rad & Chem

☒ Complete

Partial

RECEIVED
JUL 28 2003

EDMC

Sample Location/Waste Site: 600-131

SUBMITTED TO:


Joan Kessner
Bechtel Hanford
3350 George Washington Way, MS H0-25
Richland, WA 99352

REFERENCE DATA:

Client Sample No.:	J00ND4 through J00NC2
P.O. No.:	Not Available
Sample Location:	600-131 (600 area)
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	03-A-2302
DCL Sample ID No.:	03-14688 through 03-14689
Sample Receipt Date:	5/14/03
Analysis Date:	5/21/03



We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were removed from the sample containers, dried, ground with a mortar and pestle, and sieved with 2-mm, 1-mm and a 0.5-mm screens before being mounted on a glass microscope slides. Each size fraction was examined under a stereomicroscope for fibrous materials. Mountings of the fibers observed and representative portions of the material were prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the portions of materials analyzed and are summarized on the attached Bulk Asbestos Analysis Data Sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Some samples may contain fibers that are not visible by PLM and can only be discovered by electron microscopy techniques.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NIST.

5/21/03

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Summary**


Client: Bechtel Hanford
Location: 600-131 (600 area)
Set ID: 03-A-2302

Client Sample ID:	J00ND4	J00NC2
DCL Sample ID:	03-14688	03-14689
Macroscopic Examination		
Accepted/Rejected:	Accepted	Accepted
Homogeneity:	Homog.	Homog.
Color:	Tan	Brown
Texture:	Granular	Granular
Description:	Soil	Soil
Analysis:	PLM	PLM
Asbestiform Minerals		
% Chrysotile:		
% Amosite:		
% Crocidolite:		
% Tremolite - Actinolite:		
% Anthophyllite:		
% Total Asbestos:	ND	ND
Other Materials		
% Cellulose:		
% Fiberglass:		
% Other Fibers:		
% Resin/Binder:		
% Non Fibrous:	>90≤100	>90≤100

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B03-015-94		Page 1 of 1	
Collector Doug Bowers		Company Contact Mike Stankovich		Telephone No. 372-9082		Project Coordinator KESSNER, JH		Price Code 8B Data Turnaround 24 Hours	
Project Designation Remaining Sites Confirmation Sampling-Soil		Sampling Location 600-131 (600 area)		SAF No. B03-015		Air Quality <input type="checkbox"/>			
Ice Chest No. <i>N/A</i>		Field Logbook No. EL-1578		COA C17HXU600C		Method of Shipment Fed Ex			
Shipped To DataChem Laboratories		Offsite Property No. <i>N/A</i>		Bill of Lading/Air Bill No. <i>8291-5245-5215</i>					
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage				Preservation		None			
				Type of Container		Whirl Pack			
				No. of Container(s)		1			
				Volume		5g			
SAMPLE ANALYSIS <i>03-A-0302</i>				Asbestos-BULK-EPA		<i>03-</i>			
Sample No.		Matrix *		Sample Date		Sample Time			
<i>J00NC1</i>		SOIL							
<i>J00NC2</i>		SOIL							
<i>J00NC3</i>		SOIL							
<i>J00ND4</i>		<i>soil</i>		<i>5-12-03</i>		<i>1115</i>		<i>X</i>	
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS	
Relinquished By/Removed From <i>Doug Bowers</i>		Date/Time <i>5-12-03/1645</i>		Received By/Stored In <i>Ref 3A 3728</i>		Date/Time <i>5-12-03/1645</i>		<i>7 day turn per A. Rustich 5/14/03</i>	
Relinquished By/Removed From <i>Ref 3A 3728</i>		Date/Time <i>5-12-03/1200</i>		Received By/Stored In <i>Doug Bowers</i>		Date/Time <i>5-13-03/1200</i>			
Relinquished By/Removed From <i>Doug Bowers</i>		Date/Time <i>5-13-03/1200</i>		Received By/Stored In <i>Fed Ex</i>		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By <i>[Signature]</i>		Title		Date/Time <i>5/14/03/1110</i>			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B03-015-94		Page 1 of 1									
Collector Doug Bowers		Company Contact Mike Stankovich		Telephone No. 372-9082		Project Coordinator KESSNER, JH		Price Code 8B Data Turnaround 24 Hours									
Project Designation Remaining Sites Confirmation Sampling-Soil		Sampling Location 600-131 (600 area)		SAF No. B03-015		Air Quality <input type="checkbox"/>											
Ice Chest No. <i>n/a</i>		Field Logbook No. <i>5-8-03</i> EL-1578 / 1578-2 <i>1578</i>		COA C17HXU600C		Method of Shipment Fed Ex											
Shipped To DataChem Laboratories		Offsite Property No. <i>n/a</i>		Bill of Lading/Air Bill No. <i>8291-5245-5215</i>													
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage				Preservation	None												
				Type of Container	Whirl Pack												
				No. of Container(s)	1												
				Volume	5g												
SAMPLE ANALYSIS <i>03-A-2302</i>				Asbestos- BULK-EPA													
Sample No.		Matrix *		Sample Date		Sample Time											
J00NC1		SOIL															
J00NC2		SOIL		<i>5-8-03</i>		<i>1400</i>		<i>X</i>	<i>141039</i>								
J00NC3		SOIL															
J00ND4		SOIL		5-8-03													
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS				Matrix *					
Relinquished By/Removed From <i>0649</i> Date/Time <i>5-8-03/1545</i>				Received By/Stored In <i>Rcf JC 3728</i> Date/Time <i>5-8-03/1545</i>								S=Soil SE=Sediment SO=Solid SI=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue Wt=Wipe L=Liquid V=Vegetation X=Other					
Relinquished By/Removed From <i>Rcf JC 3728</i> Date/Time <i>5-13-03/1200</i>				Received By/Stored In <i>Doug Bowers</i> Date/Time <i>5-13-03/1200</i>													
Relinquished By/Removed From <i>0649</i> Date/Time <i>5-13-03/1200</i>				Received By/Stored In <i>Fed Ex</i> Date/Time													
Relinquished By/Removed From				Received By/Stored In													
Relinquished By/Removed From				Received By/Stored In													
Relinquished By/Removed From				Received By/Stored In													
LABORATORY SECTION		Received By <i>[Signature]</i>		Title										Date/Time <i>5/14/03/1110</i>			
FINAL SAMPLE DISPOSITION		Disposal Method				Disposed By								Date/Time			